



Information Disclosure Statement
U.S. Patent Application No. 09/475,385

RECEIVED
AUG 08 2002
TC 1700

12

Atty. Docket No.: 96074DIV (3600-011-01)		Application No.:		09/475,385			
Applicant:	GHOSAL, et al.						
Filing Date:	December 30, 1999		Group Art Unit:	1724			
U.S. PATENT DOCUMENTS							
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate	
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Sub Class	Translation Yes or No	
JK	0300448 A2	1/25/1989	Europe				
JK	0635301 A2	1/25/1995	Europe				
JK	DE 10024312 A1	7/26/2001	Germany			See Search Report	
PC	04346830	12/2/1992	Japan			Abstract	
JK	002193066	7/30/1990	Japan			Abstract	
JK	58041351	3/10/1983	Japan			Abstract	
JK	WO 97/47382	12/18/1997	WIPO				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
JK	International Search Report for International Application No. PCT/US01/27347						
Examiner	Jashree			Date Considered	8-29-02		
*Examiner:	Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						
Form PTO 1449				Patent and Trademark Office - U.S. Department of Commerce			

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV 7-80) PATENT AND TRADEMARK OFFICE				Atty. Docket No. 3600-011-01	Div. of Serial Number 08/663,709		
INFORMATION DISCLOSURE STATEMENT				APPLICANT GHOSAL et al.			
				FILING DATE December 30, 1999	GROUP ART 09/475385		
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE, IF APPROPRIATE
fl		4,265,768	5/5/81	Beasley et al.	210	682	
fl		4,320,011	3/16/82	Sato et al.	210	694	
fl		4,831,011	5/46/89	Oikawa et al.	502	406	
fl		5,476,989	12/19/95	Mimori et al.	588	20	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
fl		WO 95/01838	1/19/95	PCT	—	—	YES
OTHER INFORMATION (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
fl		English Abstract of JP Patent Publication No. 56078629, dated June 27, 1981, "Basic Malodorous Component Capturing Agent".					
EXAMINER	Jark Hause			DATE CONSIDERED 7-24-02			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

U.S. Patent Application No. 08/663,709

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

JCS 75 U.S. PTO
09/475385
12/30/99

Atty. Docket No.:	96074DIV (970409A)		Serial No.:	Not yet assigned			
Applicant:	Ranjan Ghosal et al.						
Filing Date:	Herewith		Group:	Not yet assigned			
U.S. PATENT DOCUMENTS							
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate	
JL	1,999,573	04/30/35	Odell				
	2,156,591	05/02/39	Jacobson				
	2,121,535	06/21/38	Amon				
	2,375,795	05/15/45	Krejci				
	2,502,254	03/28/50	Glassman				
	2,514,236	07/04/50	Glassman				
	2,564,700	08/21/51	Krejci				
	2,625,492	01/13/53	Young				
	2,632,713	03/24/53	Krejci				
	2,793,100	05/21/57	Weihe				
	2,833,736	05/06/58	Glaser				
	2,867,540	01/06/59	Harris				
	2,891,595	06/23/59	Kuntz et al.				
	3,011,902	12/05/61	Jordon				
	3,025,259	03/13/62	Wason et al.				
	3,043,708	07/11/62	Watson et al.	7/16/82			
	3,094,428	06/18/63	Hamilton et al.				
	3,203,819	08/31/65	Steenken et al.				
	3,317,458	05/02/67	Clas et al.				
JL	3,335,020	08/08/67	Aboytes et al.				

Paul Lamm 7-24-02

U.S. Serial No. 08/663,709

09/075,385

12	3,390,006	06/25/68	Takewell et al.		
	3,479,300	11/18/69	Rivin et al.		
	3,528,840	09/15/70	Aboytes		
	3,607,813	09/21/71	Purcell et al.		
	3,622,650	11/23/71	Berstein et al.		
	3,660,132	05/02/72	Illigen et al.		
	3,663,285	05/16/72	Graf et al.		
	3,674,670	07/04/72	Erikson et al.		
	3,686,111	08/22/72	Makhlouf et al.		
	3,689,452	09/05/72	Burke, Jr.		
	3,716,513	02/13/73	Burke, Jr.		
	3,846,141	11/05/74	Ostergren et al.		
	3,873,489	03/25/75	Thurn et al.		
	3,876,603	04/08/75	Makhlouf		
	3,997,356	12/14/76	Thurn et al.		
	4,003,751	01/18/77	Carder		
	4,006,031	02/01/77	Ferch et al.		
	4,014,833	03/29/77	Story		
	4,014,844	03/29/77	Vidal et al.		
	4,061,830	12/06/77	Greenberg		
	4,071,496	01/31/78	Kraus et al.		
	4,074,035	02/14/78	Powers et al.		
	4,108,679	08/22/78	Szczepanik et al.		
	4,176,361	11/27/79	Kawada et al.		
	4,204,871	05/27/80	Johnson et al.		
	4,204,876	05/27/80	Bowden		
	4,211,578	07/08/80	Scott, IV		
	4,229,333	10/21/80	Wolff et al.		
12	4,290,072	09/15/81	Mansukhani		

Jack Lane
7-24-02

09/475,385

10	4,293,394	10/06/81	Darlington et al.		
11	4,297,145	10/27/81	Wolff et al.		
12	4,308,061	12/29/81	Iwahashi et al.		
13	4,328,041	05/04/82	Wilson 5/82		
14	4,360,627	11/23/82	Okado et al.		
15	4,442,256	04/10/84	Miller		
16	4,451,597	05/29/84	Victorius		
17	4,468,496	08/28/84	Takeuchi et al.		
18	4,476,270	10/09/84	Brasen et al.		
19	4,478,905	10/23/84	Neely, Jr.		
20	4,503,174	03/05/85	Vasta		
21	4,503,175	03/05/85	Houze et al.		
22	4,517,335	05/14/85	Wolff et al.		
23	4,525,521	06/25/85	DenHartog et al.		
24	4,525,570	06/25/85	Blum et al.		
25	4,530,961	07/23/85	Nguyen et al.		
26	4,544,687	10/01/85	Schupp et al.		
27	4,555,535	11/26/85	Bednarek et al.		
28	4,556,427	12/03/85	Lewis		
29	4,590,052	05/20/86	Chevallier et al.		
30	4,597,794	07/01/86	Ohta et al.		
31	4,605,542	08/12/86	Harada		
32	4,605,596	08/12/86	Fry		
33	4,620,993	11/04/86	Suss et al.		
34	4,620,994	11/04/86	Suss et al.		
35	4,650,718	03/17/87	Simpson et al.		
36	4,659,770	04/21/87	Vasta		
37	4,665,128	05/12/87	Cluff et al.		
38	4,670,059	06/02/87	Hackleman et al.		

Arch Game 724-02

09/475,385

48	4,680,204	07/14/87	Das et al.		
1	4,681,811	07/21/87	Simpson et al.		
	4,692,481	09/08/87	Kelly		
	4,702,749	10/27/87	Sircar et al.		
	4,710,543	12/01/87	Chattha et al.		
	4,713,427	12/15/87	Chattha et al.		
	4,719,132	01/12/88	Porter, Jr.		
	4,727,100	02/23/88	Vasta		
	4,741,780	05/03/88	Atkinson		
	4,752,532	06/21/88	Starka		
	4,764,430	08/16/88	Blackburn et al.		
	4,770,706	09/13/88	Pietsch		
	4,789,400	12/06/88	Solodar et al.		
	4,798,745	01/17/89	Martz et al.		
	4,798,746	01/17/89	Claar et al.		
	4,808,656	02/28/89	Kania et al.		
	4,820,751	04/11/89	Takeshita et al.		
	4,822,844	04/18/89	Kawakami et al.		
	4,824,900	04/25/89	Sakurai		
	4,840,674	06/20/89	Schwarz		
	4,853,037	08/01/89	Johnson et al.		
	4,866,131	09/12/89	Fujimaki et al.		
	4,883,838	11/28/89	Jung et al.		
	4,894,420	01/16/90	Scriver		
	4,908,397	03/13/90	Barsotti et al.		
	4,914,148	04/03/90	Hille et al.		
	4,927,868	05/22/90	Schimmel et al.		
	4,975,474	12/04/90	Barsotti et al.		
	4,994,520	02/19/91	Mori et al.		
48	5,008,223	04/16/91	Speer et al.		

Frank Jane
7-24-02

09/475,385

72	5,008,335	04/16/91	Pettit, Jr.		
	5,017,435	05/21/91	Barsotti et al.		
	5,026,755	06/25/91	Kveglis et al.		
	5,051,464	09/24/91	Johnson et al.		
	5,064,719	11/12/91	DenHartog et al.		
	5,066,733	11/19/91	Martz et al.		
	5,076,843	12/31/91	Acitelli et al.		
	5,093,391	03/03/92	Barsotti et al.		
	5,093,407	03/03/92	Komai et al.		
	5,100,470	03/31/92	Hindagolla et al.		
	5,106,417	04/21/92	Hauser et al.		
	5,109,055	04/28/92	Nagasaki et al.		
	5,114,477	05/19/92	Mort et al.		
	5,122,552	06/16/92	Johnson		
	5,130,004	07/14/92	Johnson et al.		
	5,130,363	07/14/92	Scholl et al.		
	5,141,556	08/25/92	Matrick		
	5,152,801	10/06/92	Altermatt et al.		
	5,159,009	10/27/92	Wolff et al.		
	5,162,409	11/10/92	Mroczkowski		
	5,168,106	12/01/92	Babcock et al.		
	5,173,111	12/22/92	Krishnan et al.		
	5,179,191	01/12/93	Jung et al.		
	5,182,355	01/26/93	Martz et al.		
	5,184,148	02/02/93	Suga et al.		
	5,190,582	03/02/93	Shinozuka et al.		
	5,200,164	04/06/93	Medalia et al.		
	5,204,404	04/20/93	Werner, Jr. et al.		
72	5,206,295	04/27/93	Harper et al.		

Frank Lavel
7-24-02

09/075,285

11	5,221,581	06/22/93	Palmer et al.		
	5,227,425	07/13/93	Rauline		
	5,229,452	07/20/93	Green et al.		
	5,232,974	08/03/93	Branan, Jr. et al.		
	5,236,992	08/17/93	Bush		
	5,242,751	09/07/93	Hartman		
	5,266,361	11/30/93	Schwarze et al.		
	5,266,406	11/30/93	DenHartog et al.		
	5,276,097	01/04/94	Hoffmann et al.		
	5,281,261	01/25/94	Lin		
	5,286,286	02/15/94	Winnik et al.		
	5,286,291	02/15/94	Bernhardt et al.		
	5,288,788	02/22/94	Shieh et al.		
	5,290,848	03/01/94	Palmer et al.		
	5,294,253	03/15/94	Carlson et al.		
	5,302,197	04/12/94	Wickramanayke et al.		
	5,310,778	05/10/94	Shor et al.		
	5,314,953	05/24/94	Corcoran et al.		
	5,314,945	05/24/94	Nickle et al.		
	5,319,044	06/07/94	Jung et al.		
	5,320,738	06/14/94	Kaufman		
	5,324,790	06/28/94	Manring		
	5,328,949	07/12/94	Sandstrom		
	5,334,650	08/02/94	Serdiuk et al.		
	5,336,716	08/09/94	Kappes et al.		
	5,336,730	08/09/94	Sandstrom		
	5,336,753	08/09/94	Jung et al.		
11	5,352,289	10/04/94	Weaver et al.		

Frank Lame

7-24-02

09/475,385

11	5,356,973	10/18/94	Taljan et al.	—	—
11	5,366,828	11/22/94	Struthers	—	—
11	5,401,313	03/28/95	Supplee et al.	—	—
11	5,401,789	03/28/95	Wolf et al.	—	—
11	5,430,087	07/04/95	Carlson et al.	—	—
11	5,554,739	09/10/96	Belmont	—	—
11	5,559,169	09/24/96	Belmont et al.	—	—
11	5,571,311	11/05/96	Belmont et al.	—	—
11	5,575,845	11/19/96	Belmont et al.	—	—
11	T-860-001	03/18/69	Gessler	—	—

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation Yes or No
11	0 006 190 A1	01/09/80	Europe	—	—	No (Cited in PCT Search Report)
11	0 441 987 A2	08/21/91	Europe	—	—	
11	862,018	03/01/61	Great Britain	—	—	
11	1,191,872	05/13/70	Great Britain	—	—	
11	1,215,895	04/21/60	France	—	—	Translation Only
11	1,224,131	06/22/60	France	—	—	Yes (Claims)
11	1,331,889	05/27/63	France	—	—	No (Cited in PCT Search Report)
11	1,164,786	04/28/60	France	—	—	Yes—Claims
11	24 26 266 A1	12/11/75	Germany	—	—	No (Cited in PCT Search Report)
11	WO 91/15425	10/17/91	PCT	—	—	
11	WO 92/13983	08/20/92	PCT	—	—	Yes
11	E 72775	04/28/60	France	—	—	
11	DE 3170748	07/04/85	Germany (Abstract)	—	—	Yes
11	5-178604	07/20/93	Japan	—	—	Yes
11	7-30269	04/05/95	Japan	—	—	Abstract
11	0 711 805 A1	05/15/96	Europe	—	—	
11	2,044,741 A	10/2/80	U.K.	—	—	
11	1,363,428	08/14/74	Great Britain	—	—	

pub final
7-24-02

09/475,385

1	1,139,620	01/08/69	Great Britain		
1	35 02 494 A1	08/08/85	Germany		Yes
1	0 411 160 A1	02/06/91	Europe		
1	0 501 227 A1	09/02/92	Europe		
1	0 641 823 A1	03/06/95	Europe		Abstract
1	0 646 621 A1	04/05/95	Europe		
1	2,477,593	11/09/81	France (Abstract)		
1	2,607,528	06/03/88	France (Abstract)		
1	2,564,489	10/8/80	France (Abstract)		
1	59/82,467	05/12/84	Japan (Abstract)		
1	272,127	06/22/88	Europe (Abstract)		
1	410,152	02/23/94	Europe (Abstract)		
1	433,229	06/19/91	Europe (Abstract)		
1	6,067,421	03/11/94	Japan (Abstract)		
1	5,339,516	12/21/93	Japan (Abstract)		
1	6,025,572	02/01/94	Japan (Abstract)		
1	636,591	02/01/95	Europe (Abstract)		
1	6,073,235	03/15/94	Japan (Abstract)		
1	05/271,365	10/19/93	Japan (Abstract)		
1	06/025,572	02/01/94	Japan (Abstract)		
1	01/275,666	11/06/89	Japan (Abstract)		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	Derwent Abstract, AN No. 80-03330C, "Sulphonated Carbon Pigment Production by Treating Technical Grade Carbon with Hot Aqueous Acid," SU,A,659, 523, April 1979
1	Derwent Abstract, AN No. 82-28019E, "Penetrating Flexographic Print Ink Based Polyacrylic Resin," 10/17/79, SU,A, 834062
1	Derwent Abstract, AN No. 86-335147, "Wear Resistant Rubber Composition for Tire Tread Rubber," 04/30/85, JPA 61-250042, November 198
1	Derwent Abstract WPI Acc No. 94-031974/04, Japanese Patent Application No. 92145679, 1992
1	Derwent Abstract WPI Acc No. 94-072121/09, Japanese Patent Application No. 9295517, 1992

Jack Farrell
7-24-02

09/075,385

11	Derwent Abstract WPI Acc No. 94-121502/15, Japanese Patent Application No. 92241473, 1992
11	Derwent Abstract WPI Acc No. 94-124167/15, Japanese Patent Application No. 9133147, 1991
11	Derwent Abstract, AN No. 95-183086, "Tire Treated Rubber Composition," 10/21/93, JPA 07102116
11	Derwent Abstract, AN No. 94-189154, "Ink for Writing Implements," 05/10/94, JPA 61-28517A
11	Patent Abstracts of Japan Publication No. JP7102116, "Rubber Composition for Tire Tread," 04/18/95
11	Moschopedis, et al., "The Reaction of Diazonium Salts with Humic Acids and Coals: Evidence for Activated Methylene Bridges in Coals and Humic Acids," <u>Fuel</u> , Vol. 43, No. 4, pp. 289-98, 1964
11	Roberts et al., <u>Basic Principles of Organic Chemistry</u> , Second Edition, W.A. Benjamin, Inc., Pub., pg. 1080
11	Allen, "Thermal Ink Jet Printing Trends and Advances," BIS Ink Jet Printing Conference, October 10-12, 1994, Monterey, California
11	Schneider, "Continuous Ink Jet," BIS Ink Jet Printing Conference, October 10-12, 1994, Monterey, California
11	Major, "Formulating the Future of Automotive Coatings," <u>Modern Paint and Coatings</u> , July 1993
11	Greenfield, "Fewer Formulation Options Lead to Emphasis on Familiar," <u>Modern Paint and Coatings</u> , July 1992
11	Schrantz, "Regulations and Competition Push Technological Change," <u>Modern Paint and Coatings</u> , July 1994
11	"Regulations Focus Formulator Attention on Additives," <u>Modern Paint and Coatings</u> , July 1994
11	The Printing Ink Manual, Fifth Edition, R.H. Leach et al., Blueprint Press, Chapters 8, 9, and 10
11	Tsubokawa, "Functionalization of Carbon Black by Surface Grafting of Polymers," <u>Polym. Sci.</u> , Vol. 17, pp. 417-470, 1992
11	Wolff et al., "The Influence of Modified Carbon Blacks on Viscoelastic Compound Properties," <u>Kautschuk & Gummi, Kuststoffe</u> 44, Jahrgang, Nr. 10/91
11	Bourdillon et al., "Immobilization of Glucose Oxidase on a Carbon Surface Derivatized by Electrochemical Reduction of Diazonium Salts," <u>J. Electroanal. Chem.</u> , Vol. 336, pp. 113-123, 1992
11	Ohkita et al., "The Reaction of Carbon Black Surface with 2,2-Diphenyl-1-Picrylhydrazyl," <u>Carbon</u> , Vol. 10, No. 5, pp. 631-636, 1972
11	Watson, "Chemical Aspects of Reinforcement," Compounding Research Department, Dunlop Research Center, Dunlop Rubber Co., pp. 987-999

Frank Farne
7-24-02

89/475,385

<i>H</i>	Garten et al., "Nature of Chemisorptive Mechanisms in Rubber Reinforcement," Commonwealth Scientific and Industrial Research Organ., Div. of Industrial Chem., Melbourne, Australia, pp. 596-609
<i>H</i>	Donnet et al., "Chimie Superficielle et Sites Privilegés Des Charges Fines," Extrait de la Revue Générale du Caoutchouc, July 1959
<i>H</i>	<u>Ullmann's Encyclopedia of Industrial Chemistry</u> , Fifth Edition, Vol. A-8, pp. 508-509, 1987
<i>H</i>	Donnet et al., "Sur la Structure Aroxylque des Groupements Quinoniques et des Radicaux Libres Présentes en Surface des Noirs de Carbon," <u>Ref. Gen. Caoutchouc Plastiques</u> , Vol. 42, No. 3, pp. 389-92, 1965 (with English Abstráct)
<i>H</i>	Yamaguchi et al., "Novel Carbon Black/Rubber Coupling Agent," <u>Kautschuk & Gummi, Kunststoffe</u> 42, Jahrgang, Nr. 5/89
<i>H</i>	Studebaker et al., "Oxygen-Containing Groups on the Surface of Carbon Black," <u>Industrial and Engineering Chemistry</u> , Vol. 48, No. 1, pp. 162-166, January 1956
<i>H</i>	Zoheidi et al., "Role of Oxygen Surface Groups in Catalysis of Hydrogasification of Carbon Black by Potassium Carbonate," <u>Carbon</u> , Vol. 25, No. 6, pp. 809-819, 1987
<i>H</i>	Scherrer, "Coloration of Ink Jet Inks," Presentation at BIS Ink Jet Printing Conference, October 10-12, 1994, Monterey
<i>H</i>	<u>Ink Jet Printing: 1994 Overview and Outlook</u> , Chapter 7
<i>H</i>	<u>The Printing Ink Manual</u> , Fourth Edition, Chapter 2, Leach et al., Eds., 1988
<i>H</i>	Andreottoia, <u>Ink Jet Ink Technology</u> , pp. 531-544
<i>H</i>	Gregory, "High-Technology Applications of Organic Colorants, Chapter 9, "Ink-Jet Printing," 1991
<i>H</i>	PCT Search Report, PCT/US 95 16452, April 17, 1996
<i>H</i>	PCT Search Report, PCT/US 95/16195, April 19, 1996
<i>H</i>	PCT Search Report, PCT/US 95/16281, April 26, 1996
<i>H</i>	PCT Search Report, PCT/IB 95/01154, April 29, 1996
<i>H</i>	PCT Search Report, PCT/US 95/16453, May 15, 1996
<i>H</i>	Chemical Abstract No. 113:116901, 11/06/89
<i>H</i>	Chemical Abstract No. 120325954, 02/01/94
<i>H</i>	RAPRA Abstract No. 432845, "Compounding Heat Resistant Non-Black EPDM Rubber Compounding Report," December 1990
<i>H</i>	RAPRA Abstract No. 417612, "Review: Polymer-Filler Interactions in Rubber Reinforcement," October 1990
<i>H</i>	RAPRA Abstract No. 403202, "Organotitanate, Zirconate Effect on Elastomers," June 1990

Frank Farmer

7-24-02

09/075, 385

10	RAPRA Abstract No. 394030, "Mechanical Properties of Natural Rubber/Grafted Cellulose Fibre Composites," 1990
10	RAPRA Abstract No. 390600, "Application of Coupling Agents to Elastomers," 1989
10	RAPRA Abstract No. 00388935, "Light Colored Fillers in Polymers," November 1989
10	Dialog Abstract EMA Number 8602-C1-D-0297, "Carbon Black is Better With Silica," October 1985
10	RAPRA Abstract No. 00343229, "White and Black Fillers for Rubber Compounds," December 1986
10	RAPRA Abstract No. 00177481, "Ethylene-Propylene Rubbers," 1981
10	RAPRA Abstract No. 00105623, "Putting Performance into Thermosets with Titanium Coupling Agents," October 1976
10	RAPRA Abstract No. 00056893, "Applications for Silane Coupling Agents in the Automotive Industry," October 1975
10	RAPRA Abstract No. 00002608, "Ground Rice Hull Ash as a Filler for Rubber," October 1974
10	RAPRA Abstract No. 00000937, "Reduction of Heat Build-up in Mineral-Filled Elastomers Through the Use of Silane Coupling Agents," May 1973
10	RAPRA Abstract No. 00105623, "Putting Performance into Thermosets With Titanium Coupling Agents," October 1976
10	Derwent Abstract, Japanese Patent Publication No. 80-73657, 03/19/96
10	Derwent Abstract, WPI Acc No. 78-73373A/41, Japanese Patent Application No. 53-100190, 1978
10	Derwent Abstract, WPI Acc No. 95-019436/03, Japanese Patent Application No. 63-06289, 1994
10	Derwent Abstract, WPI Acc No. 92-369382/45, Japanese Patent Application No. 4-270199, 1992
10	Derwent Abstract, WPI Acc No. 90-335599/45, DD No. 279537, 1990
10	Derwent Abstract, WPI Acc No. 90-128540/17, Japanese Patent Application No. 2-077483, 1990
10	Derwent Abstract, WPI Acc No. 88-261546/37, Japanese Patent Application No. 63-190800, 1988
10	Derwent Abstract, WPI Acc No. 87-034097/05, Japanese Patent Application No. 61-291659, 1986
10	Derwent Abstract, WPI Acc No. 88-052867/08, Japanese Patent Application No. 63-008442, 1988
10	Chemical Abstract Vol. 114, No. 14, Number 124715d (1990)
10	Chemical Abstract Vol. 112, No. 18, Number 160248w, 1988

Arch Samuel
7.24-02

06/475,385

✓	Chemical Abstract Vol. 110, No. 6, Number 48370n, 1986
✓ X	Chemical Abstract Vol. 69, No. 18, Number 68396p, 1967
✓ .	Chemical Abstract Vol. 94, No. 16, Number 122906m, 1980
✓ .	Chemical Abstract Vol. 66, No. 24, Number 105491b, 1966
✓ .	Chemical Abstract Vol. 67, No. 2, Number 3806m, 1966
✓ .	Chemical Abstract Vol. 102, No. 4, Number 28447z, 1984
✓ .	Chemical Abstract Vol. 100, No. 22, Number 176125s, 1983
✓ .	Chemical Abstract Vol. 106, No. 28, Number 224473b, 1987
✓ .	Chemical Abstract Vol. 94, No. 8, Number 48630y, 1980
✓ .	Chemical Abstract Vol. 88, No. 22, Number 161466p, 1978
✓ .	Chemical Abstract Vol. 104, No. 12, Number 90590k, 1985
✓ .	Chemical Abstract Vol. 105, No. 8, Number 61488y, 1985
✓ .	Ouyang et al., "Carbon Black Effects on Treadwear," Presented at a Meeting of the Rubber Division, American Chemical Society, Las Vegas, Nevada, May 29-June 1, 1990
✓ .	Agostini, et al., "New Compound Technology," Goodyear Technical Center, Luxembourg
✓ .	Dialog Abstract of Japanese Application No. 4-362009, 1992
✓ .	Dialog Abstract of Japanese Application No. 4-276000, 1992
✓ .	Studebaker et al., "The Rubber Compound and its Composition," <u>Science and Technology of Rubber</u> , Academic Press, 1978, Chapter 9, pp. 367-375
✓ .	"Tires," Reprinted from <u>Encyclopedia of Polymer Science and Engineering</u> , Vol. 16, Second Edition, 1969, pp. 834-861
✓ .	Tsubokawa et al., "Grafting Onto Carbon Black Having Few Functional Groups," Shikizai Kyokaisha, Vol. 66, No. 5 (1993), Abstract Only
✓ .	J.B. Donnet et al., "Radical Reactions and Surface Chemistry of Carbon Black," Bull. Soc. Chim. 1960 (Abstract Only)
✓ .	Concise Encyclopedia of Polymer Science and Engineering, Wiley, 1990, pp. 104-105
✓ .	Carbon (Carbon Black) Reprinted from KIRK-OTHMER: ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY, Vol. 4, Third Edition, pp. 631-643, 1978
✓ .	Delamar et al., J. Am. Chem. Soc. 1992, 114, 5883-5884
✓ .	Kang, "Water-Based Ink-Jet Ink," J. Imaging Science, Vol. 35, No. 3, May/June, 1991, pp. 195-201

✓ John Bane
7-24-02

67/475, 385

	U.S. Patent Application No. 08/356,462, December 15, 1994
	U.S. Patent Application No. 08/356,459, December 15, 1994
	U.S. Patent Application No. 08/356,460, December 15, 1994
	U.S. Patent Application No. 08/356,053, December 15, 1994
	U.S. Patent Application No. 08/356,554, December 14, 1994
	U.S. Patent Application Serial No. 08/446,140, May 22, 1995
	U.S. Patent Application Serial No. 08/446,142, May 22, 1995
	U.S. Patent Application Serial No. 08/446,143, May 22, 1995
	U.S. Patent Application No. 08/572,526, December 14, 1995
	U.S. Patent Application No. 08/572,336, December 14, 1995
	U.S. Patent Application No. 08/572,545, December 14, 1995
ff	Sircar et al., "Activated Carbon for Gas Separation and Storage," <u>Carbon</u> , Vol. 34, No. 1, pp. 1-12, 1996
ff	Golden et al., "Activated Carbon Adsorbent for PSA Driers," <u>Carbon</u> , Vol. 28, No. 5, pp. 683-690, 1990
ff	Mahajan et al., "Surface-Modified Carbons for the Drying of Gas Streams," <u>Separation Science and Technology</u> , 17(8), pp. 1019-1025, 1982

Examiner

Mark Lauer

Date Considered

7-24-02

*Examiner:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449

Patent and Trademark Office - U.S. Department of Commerce